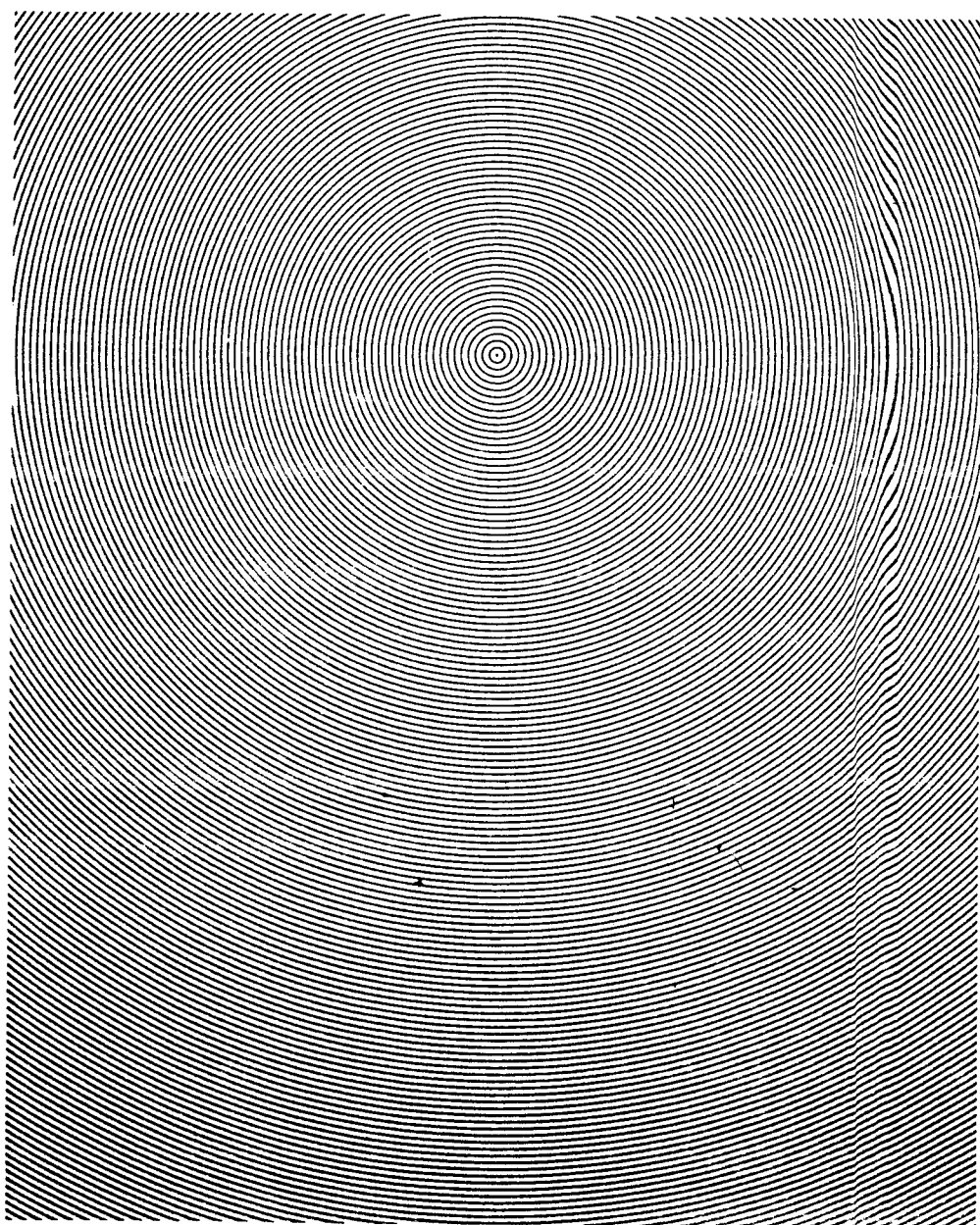


# **UHER**

**Verstärker  
VG 20/VG 30**

**Service manual**



## TECHNISCHE DATEN

Intermodulationsverzerrung  
(70 Hz : 7 kHz = 4 : 1) ..... Weniger als 0,9%  
bei 10 W an 4 Ohm

Restrauschen ..... 0,5 mV  
Dämpfungsfaktor ..... 20 (4 Ohm)  
40 (8 Ohm)

Eingangsempfindlichkeit/  
Impedanz  
Phono ..... 2,5 mV/50 kOhm  
AUX ..... 150 mV/50 kOhm  
TAPE ..... 150 mV/50 kOhm

Max. Eingangspegel  
Phono ..... 150 mV

Geräuschspannungs-  
abstand (IHF, A)  
Phono ..... 80 dB  
Tuner, AUX, Tape ..... 92 dB

Frequenzumfang  
Phono ..... Standard RIAA-Kurve  $\pm 1$  dB  
40 Hz – 20 kHz  
Tuner, AUX, Tape ..... 20 Hz – 25 kHz,  $\pm 3$  dB

Klangregelung  
Baß .....  $\pm 8$  dB bei 100 Hz  
Höhen .....  $\pm 8$  dB bei 10 kHz

Gehörhörige Laut-  
stärkekонтur ..... +6 dB bei 100 Hz,  
(–30 dB) +6 dB bei 10 kHz

Lautsprecherimpedanz ..... 4 Ohm

## ALLGEMEINES

Leistungsaufnahme ..... 140 Watt (VG20)  
200 Watt (VG30)  
Netzspannung ..... 220 V Wechselstrom, 50 Hz  
Abmessungen ..... 421(B)  $\times$  240(T)  $\times$  79(H) mm  
Nettogewicht (Ca.) ..... 3,5 Kg (VG20)  
3,6 Kg (VG30)

Änderungen der technischen Daten und des Designs bleiben  
ohne Ankündigung vorbehalten.

## SPECIFICATIONS

Intermodulation Distortion  
(70 Hz : 7 kHz = 4 : 1) ..... Less than 0.9%  
at 10 watts into 4 ohms

Residual Noise ..... 0,5 mV  
Damping Factor ..... 20 (4 ohms)  
40 (8 ohms)

ut Sensitivity/Impedance  
Phono ..... 2,5 mV/50 k ohms  
AUX ..... 150 mV/50 k ohms  
TAPE ..... 150 mV/50 k ohms

Maximum Input Level  
Phono ..... 150 mV

Signal-to-Noise Ratio (IHF, A)  
Phono ..... 80 dB  
Tuner, AUX, Tape ..... 92 dB

Frequency Response  
Phono ..... RIAA standard curve  $\pm 1$  dB  
40 Hz – 20 kHz  
Tuner, AUX, Tape ..... 20 Hz – 25 kHz,  $\pm 3$  dB

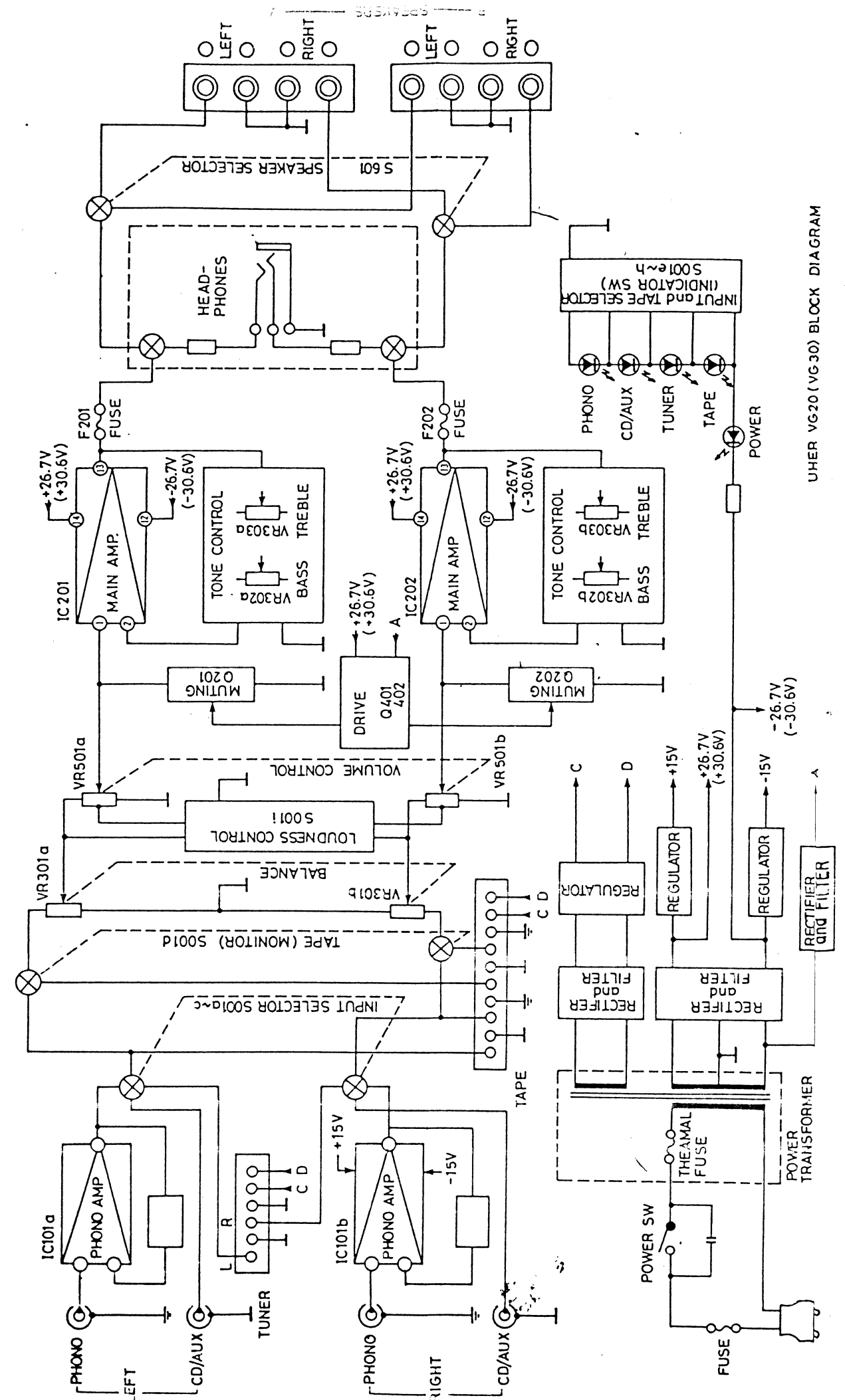
Tone Control  
Bass .....  $\pm 8$  dB at 100 Hz  
Treble .....  $\pm 8$  dB at 10 kHz

Loudness Control ..... +6 dB at 100 Hz  
(–30 dB Volume Level) +6 dB at 10 kHz  
Speaker Impedance ..... 4 ohms

## GENERAL

Power Consumption ..... 140 Watts (VG20)  
200 Watts (VG30)  
Power Supply ..... AC 220 V 50 Hz  
Dimensions ..... 421(W)  $\times$  240(D)  $\times$  79(H) mm  
Net weight (approx.) ..... 3,5 kg (VG20)  
3,6 kg (VG30)

Specifications and design are subject to change without notice.

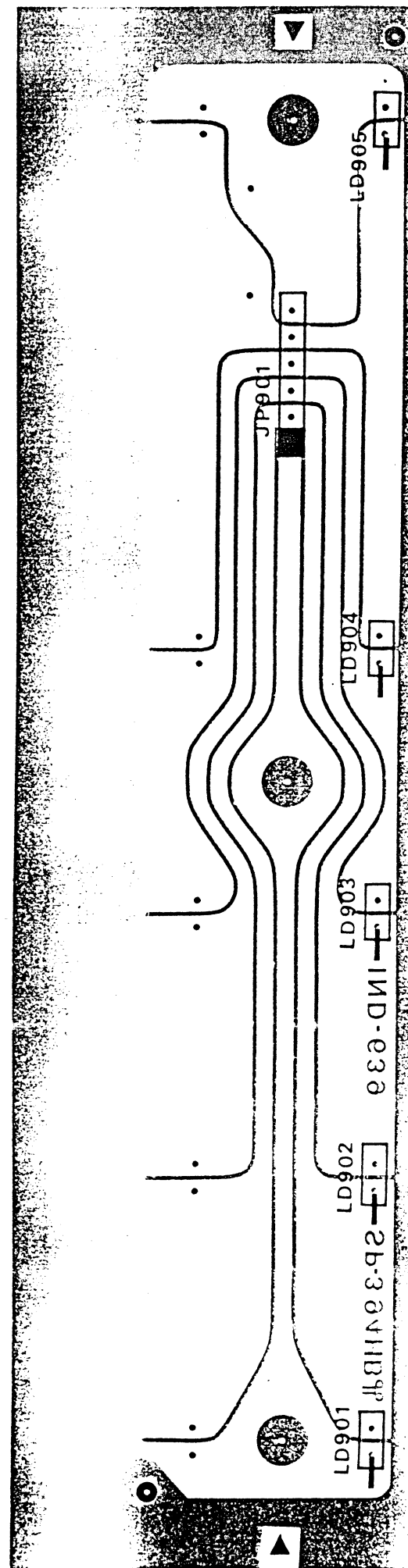




Exploded View's Parts List (VG20/VG30)

• (2): VG20  
• (3): VG30

Ref. No.	Q'ty	Part No.	Description
1M 1	1	N10380-1	Front Panel
1M 3	1	N42326-S	Push Button
1M 4	1	N43866-BK	Push Button
1M 5	4	N44453 BK C	Push Button
1M 6	1	N44453 BK BU	Push Button
1M 7	3	N44454 BK-FI	Slide Knob
1M 8	1	N44455 BK-FI	Slide Knob
1M11	1	N30867-1	Display Window
1M11	1	N30867-3	Display Window
1M15	1	N21320	Cabinet
1M15	1	N21341	Cabinet
1M16	1	N21322-1A	Rear Panel
1M16	1	N21340-1	Rear Panel
1M17	1	N10381	Bottom Chassis
1M17	1	N10394	Bottom Chassis
1M20	4	NO.7102	Foot
1M25	1	N44515	Volume Cloth
1M26	1	N44530	Volume Cloth, 3
2M 1	1	N44456	Fittings R (Heat Sink)
2M 2	1	N44457	Fittings L (Heat Sink)
2M 3	1	N44458	Fittings (Switch)
2M 4	2	N42722	Fittings (P.T.)
2M 5	1	N30882	Support Chassis (P.T.)
2M 6	1	N44553	Metal Plate
2M 9	1	N44357	Knob Shaft
2M10	1	N30880-10	Heat Sink
2M11	1	N30866A-50	Heat Sink
2M12	1	N44516	Insulation Cover
2M13	4	N44243	Tape, Double Faced
2M14	1	N44522-40BK	Heat Sink
2M15	2	N44558	Spacer
2M16	3	SL. 1024	Label, Serial No.
2M17	1	N41386	Label, Passed
2M18	2	N41853-252	Label, Fuse
2M19	1	N41853-202	Label, Fuse
2M20	1	OM-596A	Instruction Manual
2M21	1	N41318-1	Polyethylene Bag
2M22	1	N40487	Polyethylene Bag (Accessories)
2M24	2	N21324	Packing Pad
2M27	1	N44459	Shipping Carton
2M27	1	N44496	Shipping Carton
2M28	1	N44559	Packing Pad (Cabi)
2M29	1	N44560	Packing Pad (Bottom)
3M 1	2	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 2	2	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 3	1	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 4	1	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 5	3	TPM+30X08-Y	Tap Screw P, Round Head, Y
3M 8	3	TPM+30X08-B	Tap Screw P, Round Head, B
3M 9	1	TPM+30X10-B	Tap Screw P, Round Head, B
3M10	2	TPM+30X10-B	Tap Screw P, Round Head, B
3M16	2	TSB+30X06-N	Tap Screw S, Bind Head, N
3M17	2	TSB+30X06-N	Tap Screw S, Bind Head, N
3M18	2	TSB+30X06-N	Tap Screw S, Bind Head, N
3M19	1	TSB+30X06-N	Tap Screw S, Bind Head, N
3M20	1	TSB+30X06-N	Tap Screw S, Bind Head, N
3M23	2	TSB+30X10-N	Tap Screw S, Bind Head, N
3M26	2	TSB+30X08-B	Tap Screw S, Bind Head, B
3M27	2	TSB+30X08-B	Tap Screw S, Bind Head, B
3M28	4	TSB+30X08-B	Tap Screw S, Bind Head, B
3M29	1	TSB+30X08-B	Tap Screw S, Bind Head, B
3M30	4	TSB+30X08-B	Tap Screw S, Bind Head, B
4M 1	2	TSC+30X08-Y	Tap Screw S, Washer Faced, Y
4M 5	4	TSB+40X10-Y	Tap Screw S, Bind Head, Y
4M 8	2	TST+40X08-N	Tap Screw S, Truss, N
4M 8	4	SSB+40X40-Y	Screw, Bind Head, Y
4M10	4	ZP+STR26X16-2Y	Tap Screw, Pan Head, Y
4M13	3	TBB+30X08-B	Tap Screw B, Bind Head, B
4M14	1	TBB+30X08-Y	Tap Screw B, Bind Head, Y
4M15	2	TBB+30X08-Y	Tap Screw B, Bind Head, Y
4M16	4	TBB+30X08-Y	Tap Screw B, Bind Head, Y
4M18	4	2AWX0826-05-Y	Plain Washer, Y
4M19	1	2AWX0830-05-N	Plain Washer, N
4M22	1	2AWX1230-08-Y	Plain Washer, Y
6E 1	1	NPT-2065S	Power Transformer
6E 1	1	NPT-2075S	Power Transformer
6E 5	1	ACC-305D3-4EC1	Line Cord
6E 6	1	SR-3P4	Cord Stopper
6E 8	1	UB-0027	Binding Post
	1	38A1P01A	P.C. Board Ass'y (LED; MA; RE; SW-634A)
	1	38A1P01C	P.C. Board Ass'y (LED; MA; RE; SW-634A)
	1	38A1P02A	P.C. Board Ass'y (SP; TC; VR-635)
	1	38A1P02C	P.C. Board Ass'y (SP; TC; VR-635)
	1	38A1P03A	P.C. Board Ass'y (IND-639)
	1	38A1P03C	P.C. Board Ass'y (IND-639)



IND-639

